Paper airplane simulation

This activity allows students and yourself to find the perfect group of supplies and labor to make the maximum number of items, in this case paper airplanes.

Supplies you need:

1. Lots of Paper
2. 4 to 6 pairs of Scissors
3. Desks/Factories
4. Workers (students)
5. Provide 1 Ruler
6. Recycle bin

Elect one student to be the beginning “leader” (preferably a student that can make paper airplanes) and have him/her decide what the class should have for supplies they can use other students help on the decisions, but they are trying to get the best possible outcome. Let the students they have 120 dollars to spend on these supplies.

1. Paper $10 sheet
2. Scissors $5 pair
3. Desks/Factories $10 each
4. Workers $10 each
5. Time (1 minute increments) $20

Provide 1 ruler

Once the students have picked their supplies enter them into the excel sheet, tell the students they have the amount of time they bought to produce and “land” as many planes as they can in the “landing zone”

Record the results and have the students redo their supplies, record and give another three minutes..

STUDENTS MUST FOLLOW THESE GUIDELINES WHEN MAKING THE AIRPLANE!

***Market Conditions***

1. All planes must be 5 ½”  long
2. All planes MUST be identical
3. At least two planes must be made from each sheet of paper
4. Planes design can change from round to round
5. All paper must be CUT, not torn.
6. Paper Airplanes may not be carried to the landing zone.
7. 3 minute timings

Make sure to enforce all rules!